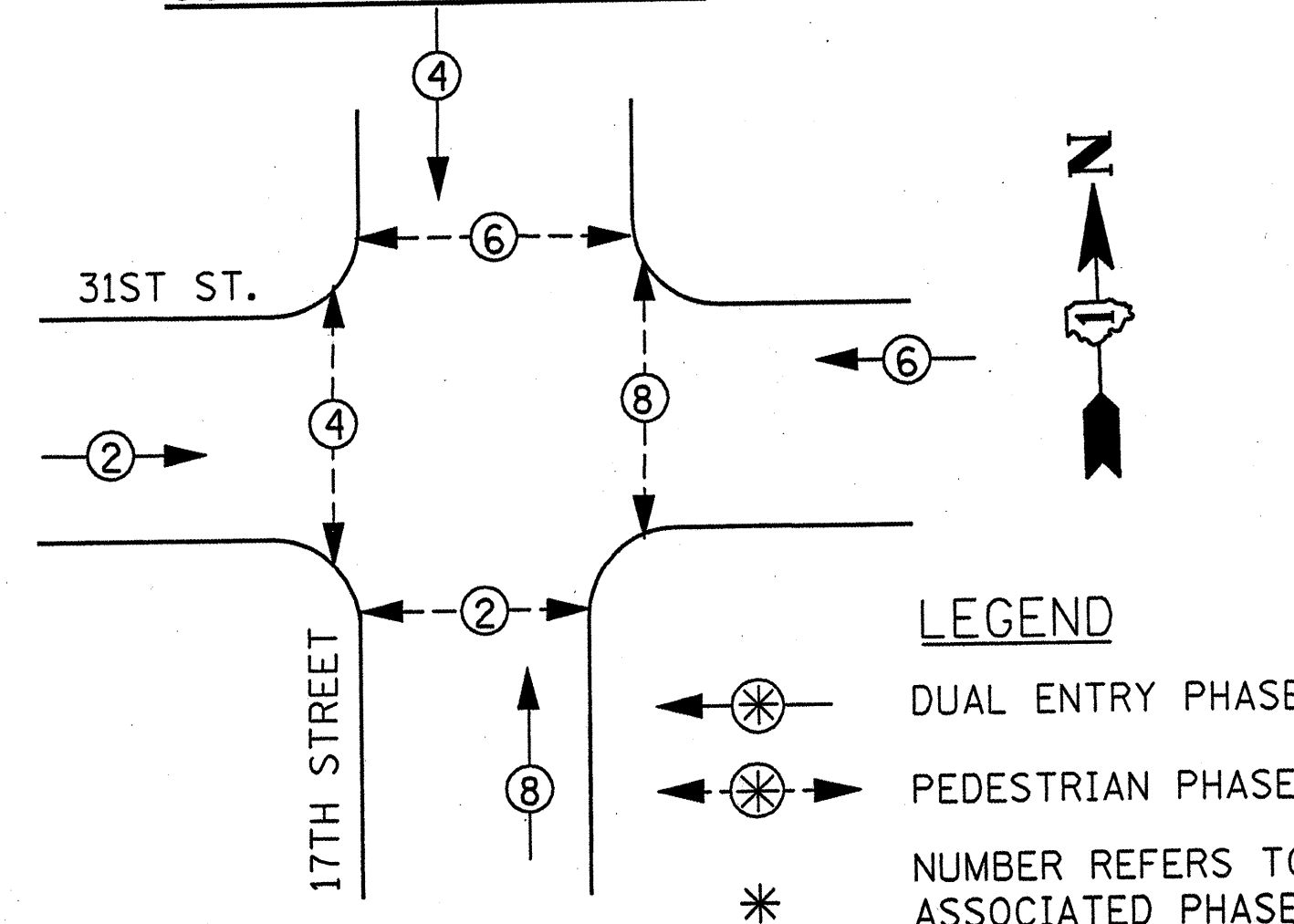


EXISTING	PROPOSED	
		8" (200mm) TRAFFIC SIGNAL SECTION
		12" (300mm) TRAFFIC SIGNAL SECTION
		12" (300mm) PEDESTRIAN SIGNAL SECTION
		12" (300mm) PEDESTRIAN SIGNAL SECTION
		CONTROLLER CABINET
		SERVICE INSTALLATION
		TELEPHONE CONNECTION
		VEHICLE DETECTOR, INDUCTION LOOP
		MAGNETIC DETECTOR
		EMERGENCY VEHICLE LIGHT DETECTOR
		CONFIRMATION BEACON
		PUSHBUTTON DETECTOR
DENOTES NUMBER OF CONDUCTORS. ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.		
		GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)
		FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 MM12F SM12F
		SIGNAL FACE WITH BACKPLATE, "P" INDICATES PROGRAMMED HEAD
		RAILROAD CONTROL CABINET
		ILLUMINATED SIGN, FIBER OPTIC "NO LEFT TURN"
		ILLUMINATED SIGN, FIBER OPTIC "NO RIGHT TURN"
		GROUND ROD AT HANDHOLE (H), OR CONTROLLER (C).
		GROUND ROD AT POST (P), OR MAST ARM POLE (MA).
		GROUND ROD AT ELECTRIC SERVICE INSTALLATION

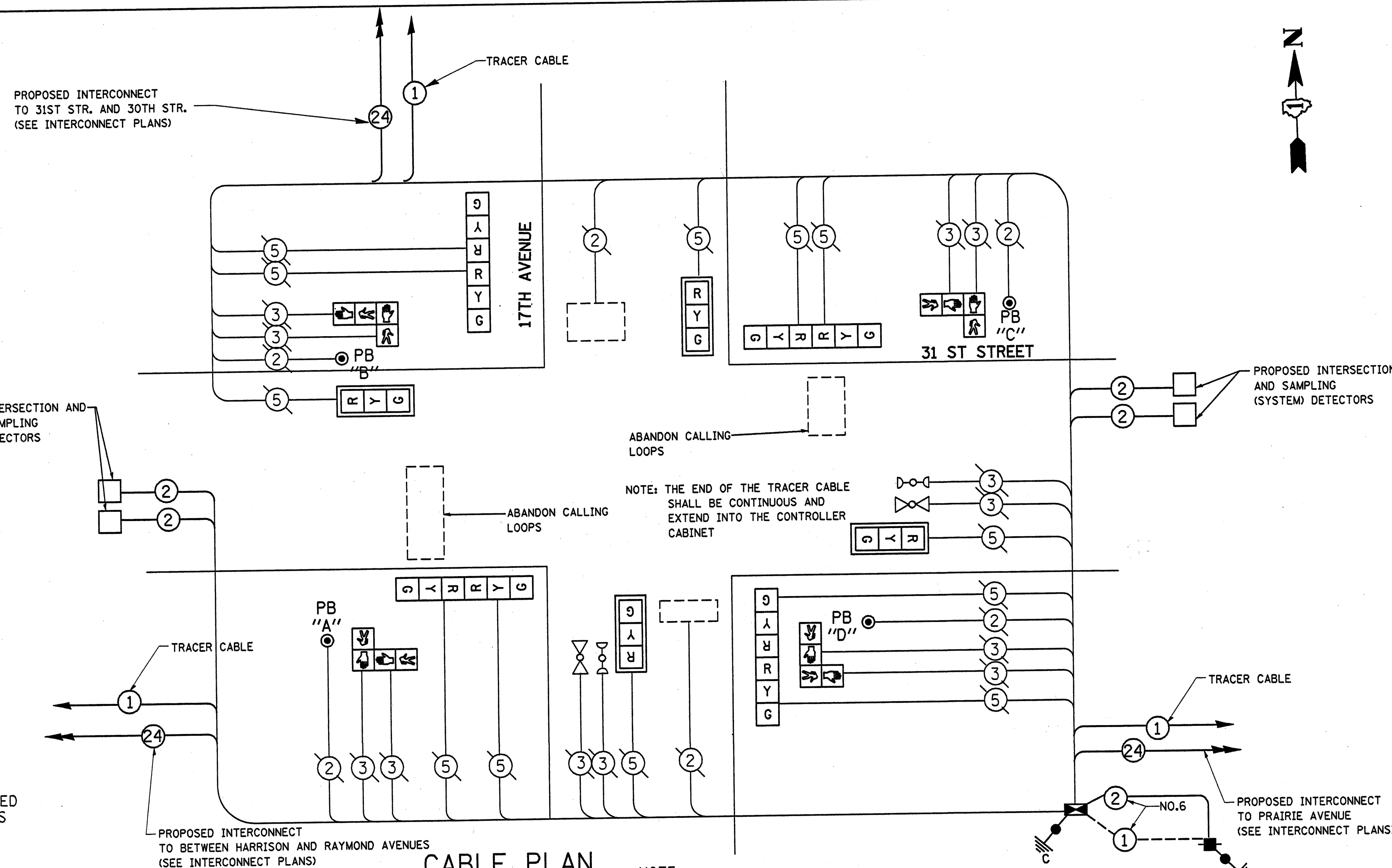


LEGEND

DUAL ENTRY PHASE

PEDESTRIAN PHASE

NUMBER REFERS TO ASSOCIATED PHASE



CABLE PLAN

NOTE:
PUSH BUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4
PUSH BUTTON "B" SHALL PLACE A CALL IN PHASES 4 AND 6
PUSH BUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8
PUSH BUTTON "D" SHALL PLACE A CALL IN PHASES 2 AND 8

SCHEDULE OF QUANTITIES

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>
0.09	L SUM	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501
0.09	L SUM	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701
0.09	L SUM	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801
1.00	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1.00	EACH	PAINT EXISTING TRAFFIC SIGNAL EQUIPMENT
1.00	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET
2.00	EACH	HANDHOLE
1.00	EACH	TRANSCIEIVER-FIBER OPTIC
1.00	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
37.20	METER	DETECTOR LOOP, TYPE I
150.00	METER	CONDUIT PUSHED, 50MM DIA., GALVANIZED STEEL
448.60	METER	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR
67.80	METER	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C
67.80	METER	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C
59.70	METER	REMOVE ELECTRIC CABLE FROM CONDUIT

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>
1.00	EACH	GROUNDING EXISTING HANDHOLE FRAME AND COVER
6.00	EACH	INDUCTIVE LOOP DETECTOR
4.00	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
4.00	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED
4.00	EACH	SIGNAL HEAD, LED, 2-FACE, 3 SECTION, BRACKET MOUNTED
4.00	EACH	PEDESTRAIN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED
4.00	EACH	PEDESTRAIN PUSH-BUTTON
1.00	EACH	SERVICE INSTALLATION, POLE MOUNT

NOTE:

RELOCATION OF THE LIGHT DETECTOR AMPLIFIER(S) FROM THE OLD CONTROLLER CABINET TO THE NEW CONTROLLER CABINET IS NECESSARY. THE COST OF THIS WORK SHALL BE INCIDENTAL TO THE COST OF THE NEW CONTROLLER AND CABINET.

I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL
TYPE	NO. LAMPS	WATTAGE INCAND.	LED	%OPERATION	WATTAGE
SIGNAL (RED)	12	135	17	0.50	102.00
(YELLOW)	12	135	25	0.25	75.00
(GREEN)	12	135	15	0.25	45.00
ARROW		135	12	0.10	
PED. SIGNAL	8	90	25	1.00	200.00
CONTROLLER	1	100	100	1.00	100.00
ILLUM. SIGN		84		0.05	
FLASHER				0.50	
ENERGY COSTS TO:					TOTAL = 522.00
ILLINOIS DEPARTMENT OF TRANSPORTATION					
201 WEST CENTER COURT					
SCHAUMBURG, ILLINOIS 60196-1096					
ENERGY SUPPLY	CONTACT:	MIKE STEVENS			
	PHONE:	708-410-5117			
	COMPANY:	COMMONWEALTH EDISON			

FOUNDATION (DEPTH)	FT. (m)	CABLE SLACK	FT. (m)	VERTICAL	FT. (m)
TYPE A - POST	4 (1.2)	HANDHOLE	6.5 (2.0)	ALL FOUNDATIONS	3.5 (1.0)
D - CONTROLLER	4 (1.2)	DOUBLE HANDHOLE	13 (4.0)	MAST ARM (L) POLE	20'-4" -2=
E - M. ARM POLE		SIGNAL POST	2 (1.0)		(6m+L-0.6m)
24" (600mm)	10 (3.0)	CONTROLLER CAB.	1 (0.5)	BRACKET MOUNTED	13 (4.0)
30" (750mm)	15 (4.6)	FIBER OPTIC	13 (4.0)	PED. PUSHBUTTON	4 (1.2)
		ELECTRIC SERVICE	1 (0.5)	ELECTRIC SERVICE	13.5 (4.1)
		GROUND CABLE	1 (0.5)	SERVICE TO GROUND	13.5 (4.1)
				POST MOUNTED	.6 (1.8)

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES 31ST STREET AT 17TH AVE. (MAPLE AVE.)
NAME	DATE	
SCALE: NONE		DRAWN BY: RDR DESIGNED BY: SA CHECKED BY: DAL
DATE: 12/11/2003		